

ment in one direction, substantially as described.

16. In a photographic shutter, the combination, with the base or support, of an exposing-shutter having the flanges on opposite sides adapted to engage the support and constituting stops for limiting the movement in opposite directions, substantially as described.

17. The combination, with the base or support constructed of a single piece of material having two coincident apertures for the lenses and a slit between them, of a pivoted shutter operating in the slit and a latch for operating on the shutter, substantially as described.

18. In a photographic shutter, the combination, with the base or support constructed of a single piece of material having two coincident apertures for the lenses and a slit between them, of a pivoted oscillating shutter operating in the slit and a latch for operating on the shutter, substantially as described.

19. In a photographic shutter, the combination, with the base or support having the boss, of the exposing-shutter, the stud passing through it, the spring connected to the shutter and the stud, and the slotted disk pivoted on the boss arranged to connect with and move the shutter when rotated in one direction, substantially as described.

20. In a photographic shutter, the combination, with the base or support, the exposing-shutter, and a spring for operating it in one direction, of a pivoted plate arranged concentric with the shutter-pivot, a slot-and-pin-connection between the said plate and shutter, a spring for rotating the plate, and the flexible cord connected to the plate, substantially as described.

21. As a means for operating a pivoted oscillating photographic shutter to set it, the combination of a plate pivoted on the pivotal center of the shutter, a spring for oscillating said plate in one direction, and a flexible cord connected to the plate and moving the shutter, substantially as described.

22. In a photographic shutter, the combination, with the base or support and a latch, of the pivoted shutter having a pin and a flange or casing, a spring connected to the shutter inside the casing, a plate having a slot in which the pin on the shutter operates, a spring connected to the plate, and a flexible cord also connected to the plate for operating it against its spring, substantially as described.

23. In a photographic shutter, the combination, with the base having the boss and the stud thereon, of the shutter pivoted on the stud having a flange or casing and projecting pin, the spring connected to the shutter and stud inside the casing, the plate pivoted on the boss having the segmental slot, the spring connected to the plate and boss, and the flexible cord connected to said plate, substantially as described.

24. The combination, with the lens-opening and a reciprocating shutter provided with an exposing-aperture, of a reciprocating auxiliary shutter arranged to co-operate with the lens-opening when the main shutter is moved in one direction and to remain out of position when moved in the other, substantially as described.

25. In combination with the camera-box, the lens, and a reciprocating shutter provided with an exposing-aperture, a reciprocating auxiliary shutter arranged to co-operate with the lens and devices connected to the main and auxiliary shutters for moving both of them in one direction, with the auxiliary shutter covering the exposing-aperture, substantially as described.

26. In combination with a camera-box, a lens, and a reciprocating exposing-shutter, an auxiliary shutter co-operating with the lens to cover the exposing-aperture as the main shutter is operated in one direction, said auxiliary shutter being connected to the devices for operating the main shutter and operated thereby to insure the exclusion of light from within the camera-box during the movement of the main shutter in one direction, substantially as described.

27. In combination with the camera-box, the lens, and a reciprocating shutter provided with an exposing-aperture, an auxiliary shutter held removed from the lens-opening in one position, devices for operating the main shutter connected to the auxiliary shutter to automatically move the latter in line with the lens-opening during the passage of the aperture in the main shutter, and means for retracting the auxiliary shutter after the passage of the exposing-aperture in the main shutter, substantially as described.

GEO. EASTMAN.

Witnesses:

FRED F. CHURCH,
Z. L. DAVIS.